

Listing of Claims:

Claim 1 (cancelled)

Claim 2 (currently amended) ~~Use according to claim 1, characterized in that~~ The method of claim 6 wherein the protein has been obtained from an extract from cells of the plant *Pilocarpus Heterophyllus* cultured *in vitro*.

Claim 3 (currently amended) ~~Use according to claim 1 or 2, characterized in that~~ The method of claim 6 wherein the cancers ~~the growth of which~~ is dependent on the growth factor GHRH are ~~chosen from~~ small-cell lung cancer and or breast cancer.

Claim 4 (currently amended) ~~Use according to claim 3, characterized in that~~ The method of claim 3, wherein the cancer ~~the growth of which~~ is dependent on the growth factor GHRH is small-cell lung cancer.

Claim 5 (currently amended) ~~Use according to claim 3, characterized in that~~ The method of claim 3, wherein the cancer ~~the growth of which~~ is dependent on the growth factor GHRH is breast cancer.

Claim 6 (new) A method of treating a cancer dependent on growth factor GHRH in warm-blooded animals comprising administering to warm-blooded animals in need thereof an amount of an isolated protein obtained by extraction of *Pilocarpus Heterophyllus*, said protein having a

molecular mass of approximately 90.9 kDa and comprises fragments of peptide sequences SEQ ID NO:1, SEQ ID NO:2 and SEQ ID NO:3 and being able to be presented in a glycosylated or non-glycosylated form sufficient to treat said cancer.